



# भारत का राजपत्र

## The Gazette of India

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—भाग 2

#### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

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Calcutta, the 19th September 1987

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1—247 GI/87

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APPLICATION FOR PATENTS FILED AT THE HEAD  
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 5th August, 1987

609/Cal/87. Phillips Petroleum Company. Compositions and a process for preparing water dispersible polymers.

610/Cal/87. Pennwalt Corporation. Preparation of 3-(alkylthio) aldehydes.

611/Cal/87. Beloit Corporation. A press apparatus.

612/Cal/87. Societa Italiana Serie Acetica Sintetica Spa. Process for the production of phthalic anhydride.

The 7th August, 1987

613/Cal/87. Meiji Seika Kaisha, Ltd. A herbicidal composition.

614/Cal/87. E. I. Du Pont De Nemours and Company. Anchor bolt assembly.

615/Cal/87. Mitutoyo Mfg. Co. Ltd. Optical type displacement detecting device.

616/Cal/87. Knight-Mechadyne Limited. Differential gear mechanism. (Convention dated 11-8-1986 and 21-11-1986) U.K.

617/Cal/87. Paul Legueu. All-wheel-drive off-highway vehicle.

618/Cal/87. The Babcock & Wilcox Company. An insulated steam injection tube. [Divisional date 29th August, 1983].

The 10th August, 1987

619/Cal/87. Uralsky Nauchno-Issledovatel'sky Institut Chernykh Metallov (Uralniichermet). Steelmaking process resorting to sponge iron.

620/Cal/87. Eaton Corporation. S-Cam for drum brake.

621/Cal/87. Phillips Petroleum Company. Purification of *lichia*-produced lipophilic proteins.

The 11th August, 1987

622/Cal/87. General Foods Corporation. L-aminodicarboxylic acid esters.

623/Cal/87. Tsun-Nan Yeh. Cleaning device for magnetic head. (Convention date 2nd October, 1986) U.K.

624/Cal/87. American Cyanamid Company. Herbicidal aqueous compositions of imidazolinone herbicides.

625/Cal/87. Menzolit GMBH. Process for producing a tangled fibre material from glass fibres and polymer for the production of glass fibre-reinforced plastic mouldings and apparatus for performing the process.

626/Cal/87. Emerson Electric Co. Bearing retainer structure.

627/Cal/87. P. H. TECH Incorporated. Water stop for a window. (12th August 1987) Great Britain.

628/Cal/87. Antonio sola. Compressed air modifier. (Convention date 19th August, 1986) Australia.

APPLICATION FOR THE PATENTS FILED AT THE  
PATENT OFFICE BRANCH, MUNICIPAL MARKET  
BUILDING, 3RD FLOOR, KAROL BAGH,  
NEW DELHI-110005

The 22nd June, 1987

627/Cal/87. Societe Generale Des Eaux Minerales De Vittel. "Device for the perforation of a package of flexible synthetic material".

528/Del/87. Aeci Limited, "Process for the production of an explosive".

529/Del/87. Shriram Institute for Industrial Research, "A process for the purification of formaldehyde using molecular sieve or silica gel".

530/Del/87. Shriram Institute for Industrial Research, "A process for the purification of formaldehyde using maleic anhydride".

The 23rd June, 1987

531/Del/87. Shriram Fibers Limited, "An improved method for treatment of leather".

532/Del/87. Jack Bauman, "Resuscitator".

533/Del/87. Redicon Corporation, "Method and apparatus for forming Container end panels".

534/Del/87. ULF Svensson, "Mobile work unit with raisable and lowerable support legs".

535/Del/87. Sven Runo Vilhelm Gebelius, "Sawing method, and a device for utilization of the method".

The 24th June, 1987

536/Del/87. Nobel Kemi AB, "A method of preparing 5-amino salicylic acid".

537/Del/87. Alfastar AB., "A method and arrangement for controlling magnetrons".

538/Del/87. Ciba-Geigy AG., "Hydroxyphosphonocarboxylic acids". (Convention date 5th July, 1986, U.K.).

The 25th June, 1987

539/Del/87. UDF Inc, "Hydrocarbon Conversion with a trimetallic catalyst".

540/Del/87. Sohio Commercial Development Company, and BP Photovoltaics Limited, "A solar cell". [Divisional date 12th February, 1985].

541/Del/87. Optimers Company, "A method of preparing a clear hydrogel polymeric material for use in forming contact lenses".

The 26th June, 1987

542/Del/87. The Garrett Corporation. "Fabrication of ceramic trilayers for a monolithic solid oxide fuel Cell".

543/Del/87. PPG Industries, Inc., "Method of controlling foam when refining glassy materials under vacuum".

APPLICATIONS FOR PATENTS FILED IN THE PATENT  
OFFICE BRANCH AT TODI ESTATES, 3RD FLOOR,  
SUN MILL COMPOUNDS, LOWER PAREL (WEST),  
BOMBAY-400 013

The 9th June, 1987

181/Bom/87. B. P. Mitra. A device using solar energy, named Sorya Kond.

The 10th June 1987

182/Bom/87. Ali H. Haideri. An improved rocker housing for rocker arm of 4-stroke spark ignition engine.

The 11th June, 1987

183/Bom/87. Primatech Machinery Pvt. Ltd. Improvements in or relating to a Pin Bar of a clip fixed on a conveyor chain of a stenter.

184/Bom/87. C. G. Ghanekar. Alert Presencer Simulator.

The 12th June, 1987

185/Bom/87. Honeywell Bull Inc. Apparatus and method for a page frame replacement in a data processing system having virtual memory addressing.

186/Bom/87. A. P. Dave & K. P. Dave. An apparatus/manufacturing process of salts without consuming any conventional form of energies.

The 17th June, 1987

187/Bom/87. G. V. Raut. A device for securing or locking packages doors, cupboards electric meters and the like.

The 18th June, 1987

188/Bom/87. M. V. Nagarkar, V. V. Mungi & S. K. Vaidya. A trolley and its coupling arrangement for two wheeler vehicles.

The 23rd June, 1987

189/Bom/87. V. C. Shah. A multifilament electric lamp with automatic switch over arrangement.

190/Bom/87. V. C. Shah. A multifilament electric lamp with plastic button on top of the cap.

191/Bom/87. Hoechst India Ltd. A process for the preparation of novel metal complexes of the streptogramin B class of antibiotics.

192/Bom/87. Ramesh Shah. Dispenser carton for pads of cotton or cotton with gauze/non woven cloth or lint or similar articles.

The 25th June, 1987

193/Bom/87. Dr. P. D. Sunayala & Indian Institute of Technology. Diffusion flame submerged combustion burner.

194/Bom/87. Nemi L. Shah. Tiffin carriers.

The 26th June, 1987

195/Bom/87. A. H. Jagarala. Dual action silencer.

196/Bom/87. J. Ramesh Nemchand. Improvements in or relating to geysers and the like apparatus.

197/Bom/87. G. R. Gaonkar. Lifting motion for ring and lappet rails adopted to bijali charkha.

The 29th June, 1987

198/Bom/87. Hindustan Lever Limited. Process for the preparation of particulate material for detergent compositions.

199/Bom/87. C. D-Lokhande & S. H. Pawar. An improved process for the electrolyte deposition of copper-indium alloys from an aqueous bath on metallic substrates.

200/Bom/87. Ontario Hydro. Electromagnetic method and apparatus for positioning objects located behind a conductive wall.

The 30th June, 1987

201/Bom/87. Hoechst India Ltd. A process for the preparation of a novel antibiotic aranorosin from a fungicidal culture number Y-30.499.

202/Bom/87. S. C. Soman. A method of and apparatus for producing expanded metal foil in particular from aluminium foil.

203/Bom/87. S. C. Soman. A filler body for combustible liquid or gas, receptacles.

204/Bom/87. Eagle Flask Pvt. Ltd. An improved vacuum flask.

205/Bom/87. N. M. Dua. Net design twinkly plastic sheeting.

#### COMPLETE SPECIFICATION ACCEPTED

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CLASS : 122

161026

Int. Cl. : B 03 c 1/02, 3/00, 5/02, 9/00.

SEPARATOR FOR SEPARATING FLUID MEDIA FROM MINUTE PARTICLES OF IMPURITIES.

Applicant : UKRAINSKY INSTITUT INZHENEROV VODNOGO KHOZYAISTVA, OF ROVNO, ULITSA LENINSKAYA, 11, USSR.

Inventors : 1. ALEXANDR VASILIEVICH SANDULYAK, 2. VYACHESLAV IVANOVICH GARASCHENKO, 3. NIKOLAI VASILIEVICH YATSKOV.

Application No. 604/Cal/83 filed May 13, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims

A separator for separating fluid media from minute particles of impurities such as herein described comprising :

a housing;

a partition arranged in the housing so as to form two chambers;

a first one containing a ferromagnetic filtering packing and a second one filled with a ferroelectric packing made from an electret;

a means of magnetization producing a magnetic field around the housing;

a space at an end of the housing which serves to connect the chambers to each other;

pipes located at the other end of the housing and used to feed and discharge a fluid medium.

Compl. specn. 10 pages.

Drg. 2 sheets

CLASS : 116-C

161027

Int. Cl. : B 65 g 17/00.

## CONVEYER LINE FOR FABRICATING MASONRY UNITS BY AUTOCLAVE HARDENING.

Applicants : (1) VSESOUZNY GOSUDARSTVENNY PROEKTNO-KONSTRUKTORSKY INSTITUT PO MASHIMAN DLYA PROMYSHLENNOSTI STROITELNYKH MATERIALOV, KIEV, ULITSA KLOVSKAYA, 9, USSR; (2) GOSUDARSTVENNY VSESOUZNY NAUCHNO-ISSLEDOVATELSKY INSTITUT STROITELNYKH MATERIALOV I KONSTRUKTSY, POSELOK KRASKOVO MOSKOVSKOI OBLASTI, ULITSA KARLA MARXA, 117, USSR.

Inventors : 1. VIKTOR MIKHAILOVICH VASNETSOV, 2. GERMAN KARLOVICH ZIZENBERG, 3. JURY IVANOVICH DRAICHIK, 4. EVGENY LVOVICH KALVARSKY, 5. SERGEI MIKHAILOVICH MEDIN, 6. JURY YAKOVLEVICH ZILBERBERG.

Application No. 609/Cal/83 filed May 16, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims

A conveyer line for fabricating masonry units by autoclave hardening comprising :

arranged in succession a molding section, a means for receiving and transferring the masonry units, and an autoclave section;

said autoclave section having a plurality of autoclaves and movable on rail tracks extending to said autoclaves cars for conveying moist blocks to said autoclaves and removing therefrom finished masonry units, and further having disposed before the inlet to said autoclaves a transfer bridge powered by a drive means and intended to transfer said cars from the rail tracks to said autoclaves and vice versa in the course of charging and discharging said autoclaves;

said means for receiving and transferring the masonry units being provided with a crane bridge and at least two lifts the first of which is intended to receive from said molding section and store thereon a stack of moist blocks, as well as to transfer the stack to one of said cars, the second lift serving to receive said successive car with a stack of finished masonry units from said autoclave section and remove the stack from said successive car;

said autoclave section having an additional transfer bridge movable on guide rails transversely of the rail tracks close to said two lifts and serving to convey each of said successive cars with a stack of finished masonry units to the second of said two lifts, receive from this lift the vacant car and transfer it to the first of said two lifts, receive from the first of said two lifts one of said cars with a stack of moist blocks thereon and transfer this car to one of the rail tracks extending to said autoclaves.

Compl. specn. 17 pages.

Drg. 3 sheets

CLASS : 152-E

161028

Int. Cl. : C 08 f 29/04.

## COMPOSITIONS OF ETHYLENE POLYMERS FOR THE MANUFACTURE OF FILMS AND PROCESS FOR THE MANUFACTURE THEREOF.

Applicant : SOCIETE CHIMIQUE DES CHARBONNAGES, S.A., OF TOUR AURORE-PLACE DES REFLETS F-92080 PARIS LA DEFENSE-CEDEX NO. 5, FRANCE.

Inventors : MARIUS HERT.

Application No. 655/Cal/83 filed May 25, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 13 Claims

Composition comprising from 2 to 25% by weight of at least one free radical ethylene polymer with a specific gravity of between 0.91 and 0.94, and from 75 to 98% by weight of at least one copolymer of ethylene and -olefines containing at least 4 carbon atoms, with a specific gravity of between 0.905 and 0.940 and a melt index of between 0.4 and 3 dg/minute, the average proportion of -olefine units in the copolymer being between 1 and 8 mol %, characterised in that the distribution of the -olefine units in the copolymer is heterogeneous, the said copolymer comprising crystalline fractions and amorphous fractions, and in that the proportion of -olefine units in the copolymer varies between at least 0.2 and at most 5 times their average proportion, depending on the fractions considered.

Compl. specn. 16 pages.

Drg. Nil

CLASS : 6-A<sub>2</sub>

161029

Int. Cl. : F 01 p 11/00.

## OIL SLINGER DEVICE FOR COMPRESSOR.

Applicant: TECUMSEH PRODUCTS COMPANY, OF 100 EAST PATTERSON STREET, TECUMSEH, MICHIGAN 49286, UNITED STATES OF AMERICA.

Inventor : 1. BILLY BLAYNE HANNIBAL.

Application No. 800/Cal/83 filed June 28, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims

An oil slinger device for a compressor having a hermetically sealed housing having a crankcase therein with a cylinder disposed in said crankcase and a sump in a bottom portion thereof, a crankshaft rotatably received in said crankcase and having a piston operably connected thereto and disposed in said cylinder, said crankshaft having centrifugal pump means connected to its bottom portion and disposed in said sump for pumping lubricant from said sump upwardly through an oil passage in said crank-shaft, said oil slinger device comprising :

a generally elongated hollow body having opposite ends and being connected to said rotatable crankshaft at a point radially outwardly from the axis of rotation of said crankshaft and in communication with said oil passage through a first one of said ends;

an upper portion of said generally elongated hollow body being angularly disposed relative to the axis of rotation of said crankshaft to dispose an opposite end of said elongated hollow body upwardly and radially outwardly from said crankshaft, whereby a portion of oil delivered upwardly through said oil passage to said generally elongated hollow body opposite end by said centrifugal pump means is radially slung outwardly from said crankshaft and against interior surfaces of said compressor housing.

Compl. specn. 14 pages.

Drg. 2 sheets

CLASS : 6-A<sub>2</sub>

161030

Int. Cl. : F 01 p 3/00.

## OIL DISTRIBUTION SYSTEM FOR A COMPRESSOR.

Applicant : TECUMSEH PRODUCTS COMPANY, OF 100 EAST PATTERSON STREET, TECUMSEH, MICHIGAN 49286, UNITED STATES OF AMERICA.

Inventors : 1. BILLY BLAYNE HANNIBAL, 2. THOMAS ALBERT JACOBY.

Application No. 801/Cal/83 filed June 28, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

An oil distribution system for a compressor having a hermetically sealed housing having a crankcase therein with cylinder disposed in said crankcase and a sump in a bottom portion thereof, a crankshaft rotatably received in said crankcase and having a piston operably connected thereto and disposed in said cylinder, a cylinder head, said crankshaft having centrifugal pump means connected to its bottom portion and disposed in said sump for pumping lubricant from said sump upwardly through a lubricant passage in said crankshaft, said crankshaft further having means connected to its upper portion for slinging lubricant radially outwardly therefrom, said oil distribution system comprising :

a generally elongated hollow body connected to said rotatable crankshaft and in communication with said lubricant passage and having an opening through which lubricant is radially thrown outwardly upon rotation of said crankshaft, and

means transversely upstanding from said cylinder head for directing a portion of the lubricant slung by said generally elongated hollow body to said cylinder head to conduct heat energy therefrom.

Compl. specn. 13 pages.

Drg. 2 sheets

CLASS : 101-F

161032

Int. Cl. : E 02 b 8/04.

#### AN IMPROVED DEVICE FOR COLLECTING CLEANING BODIES.

Applicant : TAPROGGE GESELLSCHAFT mbH., OF WACHOLDERSTRASSE 7, D-4000 DUSSELDORF 31, WEST GERMANY.

Inventors : 1. GERHARD GOLDBERG, 2. ALOIS LANGE.

Application No. 804/Cal/83 filed June 29, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

An improved device for collecting cleaning bodies in the form of sponge rubber balls which are guided in the circulation of cooling water through the pipes of a heat exchanger, the device comprising :

a sieve body which is positioned in a cylindrical housing and has a shutting flap connected downstream thereof;

the device being located in a return line which extends between outlet and inlet connections of the heat exchanger;

the return line comprising an inlet line provided with a pump, via which the device is connected to the said outlet connection; and

an outlet line provided with a shut-off valve, via which the device is connected to the said inlet connection, characterized in that a flap trap is positioned in the return line.

Compl. specn. 12 pages.

Drg. 2 sheets

CLASS : 187-B

161032

Int. Cl. : H 03 k 3/00.

#### FUNCTION GENERATOR.

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LA 70160, UNITED STATES OF AMERICA.

Inventors : 1. MARION ALVAH KEYES, 2. WILLIAM LEE THOMPSON.

Application No. 808/Cal/83 filed June 30, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A function generator producing a digital output signal varying in predetermined non-linear relationship to a digital input signal, comprising :

a PROM receiving said digital input signal programmed to generate a first and a second readout signal corresponding to selected minimum and maximum values of said output respectively and third and fourth readout signal corresponding to the non-linear relationship between the input and output signals at said minimum and maximum values of said input signal respectively;

means generating a fifth signal proportional to the difference between the input signal and said first signal;

means generating a sixth signal proportional to the difference between said second and first signals;

means generating a seventh signal proportional to the difference between said fourth and third signals;

means generating an eighth signal proportional to the quotient of said sixth signal divided by said seventh signal;

means generating a ninth signal proportional to the product of said fifth signal multiplied by said eighth signal; and

means generating a tenth signal proportional to the sum of said third and ninth signals whereby said tenth signal varies in said non-linear relationship to said input signal.

Compl. specn. 7 pages.

Drg. 2 sheets

CLASS : 40-I

161033

Int. Cl. : G 01 n 7/00.

#### CALORIMETER.

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LA 70160, UNITED STATES OF AMERICA.

Inventors : 1. THOMAS LEE BOHL, 2. ROBERT EUGENE POCOCK, 3. SHARON LOUISE ZIMMERLIN.

Application No. 809/Cal/83 filed June 30, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A calorimeter for the continuous monitoring of the calorific value of a test gas comprising :

first constant flow means for supplying a constant known volume of test gas;

second constant flow means for supplying a constant known volume of oxygen containing gas having a known oxygen amount which is more than that needed to completely oxidize the test gas;

means defining a catalytic burning chamber connected to said first and second flow means for receiving the test and oxygen containing gases and completely catalytically burning the test gas with an amount of oxygen of the oxygen containing to produce a combustion product having residual oxygen therein;

heating means for heating the catalytic burning chamber to produce catalytic burning;

an electrochemical oxygen measuring cell connected to said chamber for receiving the combustion product and measuring the remaining oxygen in the product; and

circuit means connected to said cell for generating a value proportional to the difference between the known volume of oxygen and the amount of remaining oxygen which value is proportional to the amount of oxygen consumed in the combustion chamber, the amount of oxygen consumed being proportional to the calorific value of the test gas.

Compl. specn. 11 pages.

Drg. 2 sheets

CLASS : 107 C

161034

Int. Cl. : F 02 b 1/00.

**COMBUSTION DEVICE HAVING HEAT RECOVERY CATALYTIC HEAT EXCHANGER.**

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LA 70160, UNITED STATES OF AMERICA.

Inventors : THOMAS LEE BOHL.

Application No. 810/Cal/83 filed June 30, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**7 Claims**

A combustion device comprising means defining a combustion chamber, means for generating gaseous products of combustion in said combustion chamber, passage means connected to said combustion chamber including an exhaust for the gaseous products of combustion, at least one heat recovery heat exchanger in said passage means, a catalytic material associated with said heat exchanger for oxidizing the gaseous products of combustion to recover heat therefrom.

Compl. specn. 8 pages.

Drg. 1 sheet

CLASS : 129G

161035

Int. Cl. : B 23 q 3/00.

**AN IMPROVED CUTTING TOOL ASSEMBLY.**

Applicant : DEVLJIG MACHINE COMPANY, OF FAIR STREET, ROYAL OAK, MICHIGAN 48068, UNITED STATES OF AMERICA.

Inventors : ROBERT MARCEL ORTLIEB.

Application No. 875/Cal/83 filed July 14, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**9 Claims**

An improved cutting tool assembly including a tool having an opening provided with a seat, an internally-threaded collar member having a surface engageable with said seat, externally-threaded tool bit adjustment means threadably engaging said collar member, said tool bit adjustment means being axially movable relative to the axis of said opening in response to rotation of said collar member

for selectively adjusting the position of a cutting tool bit relative to said tool, the improvement comprising :

retention means engaged with said tool bit adjustment means for resiliently biasing said surface of said collar member against said seat to maintain said collar member in a self-centering relationship relative to said opening;

first gear means on said collar; and

worm gear means in a driving relationship with said first gear means, rotation of said worm gear means causing rotation of said collar member in order to perform fine adjustments to the axial position of said tool bit adjustment means relative to said opening, said worm gear means and said retention means cooperating to maintain said collar member in said self-centering relationship as said fine adjustments are performed;

said seat of said opening being conical in shape and said surface on said collar member having a complimentary conical shape, said conical seat and said conical surface tending to maintain said collar member in said self-centering relationship.

Compl. specn. 17 pages.

Drg. 2 sheets

CLASS : 206 E

161036

Int. Cl. G 01 p 13/00.

**POSITION SENSOR.**

Applicant : ADRIAN MARCH RESEARCH LTD. OF 46, WOOLMER WAY, BORDON, HAMPSHIRE GU35 9QF, ENGLAND.

Inventors : ADRIAN ANTHONY CECIL MARCH.

Application No. 938/Cal/83 filed July 28, 1983.

Convention date 28th July, 1982 (8221783) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**11 Claims**

**A position sensor comprising :**

a detector having a plurality of sensitive elements extending in a two-dimensional array, adjacent sensitive elements in said detector having a first pitch there between;

at least one scale having at least one track of indicia, said at least one scale being movable relative to said detector, adjacent indicia of at least part of said at least one track of indicia having a second pitch therebetween, said second pitch being less than twice but not equal to said first pitch, said indicia of at least part of said at least one track of indicia acting on sensitive elements of at least part of said two-dimensional array, each sensitive element of said at least part of said two-dimensional array being adapted to detect the overlap between that sensitive element and a corresponding one of said indicia of said at least part of said at least one track, and generate an output in dependence upon said overlap; and

means for processing said outputs of said sensitive elements in said at least part of said two-dimensional array, thereby to determine the position of said at least one scale relative to said detector.

Compl. specn. 28 pages.

Drg. 8 sheets

CLASS : 107-E	161037	(12)
Int. Cl. : F 01 n 1/00.		158809 158814 158819 158823 158825
A COMPRESSOR AND IN PARTICULAR COMPRESSORS EMPLOYING SUCTION MUFFLERS.		(13)
Applicant : CARRIER CORPORATION, AT SYRACUSE, NEW YORK 13221, UNITED STATES OF AMERICA.		158828 158829 158832 158840 158845
Inventors : 1. TADEX M. KROPIWNICKI, 2. LINDA ELIZABETH CROSS.		(14)
Application No. 1000/Cal/83 filed August 12, 1983.		158847 158857
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.		(15)
5 Claims		
A compressor comprising :		
a Central Section (20) defining a cylinder chamber (50);	158891	158892 158897 158903 158912 158916.
a cylinder head (22) secured to the Central Section (20) of the compressor, and defining a suction cavity and a muffler recess (52), the suction cavity being in communication with the cylinder chamber, and the muffler recess including a locking portion (54) extending beneath a locking surface (56) of the cylinder head;	158920	158923 158925 158928 158930 158931 158932
a suction muffler (24) extending into and secured within the muffler recess (52) in pressure engagement with the surfaces of the cylinder head (22) defining the muffler recess (52), defining a fluid flow path for conducting vapor into the suction cavity, and including flange means (42) extending into the locking portion of the muffler recess (52), beneath the locking surface (56) of the cylinder head (22) to limit movement of the suction muffler (24), away from the cylinder head (22).	158933	158934 158939 158940 158941.
Compl. specn. 14 pages.	Drg. 3 sheets	(16)
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